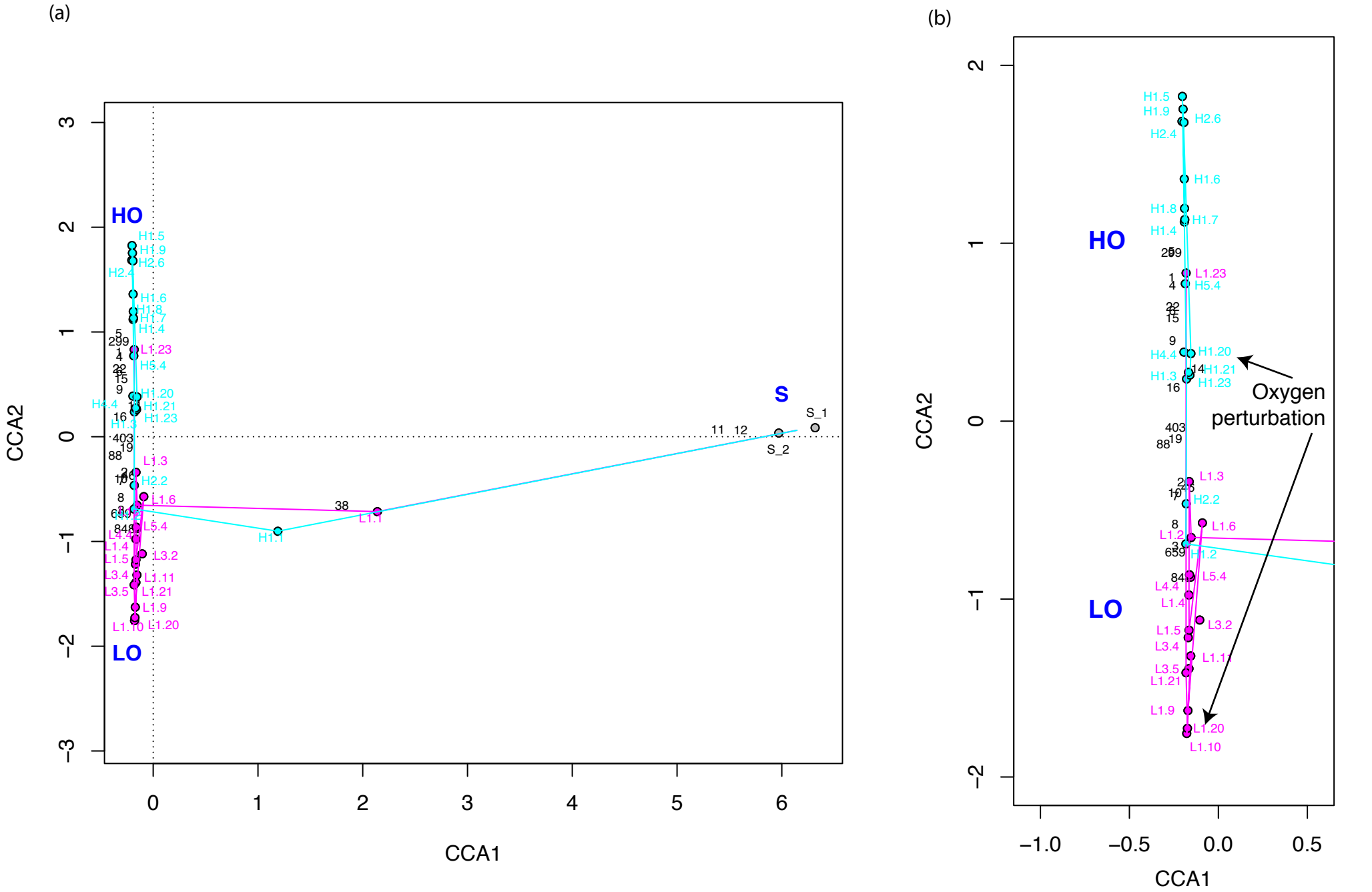
(a)
HO
LO
S
S_1
S_2
H1.5
H1.9
H2.6
H2.4
H1.6
H1.8
H1.7
H1.4
L1.23
H5.4
H1.20
H1.21
H1.23
H4.4
H1.3
L1.3
H2.2
L1.6
L5.4
L3.2
L1.11
L1.21
L1.9
L1.10
L1.20
H1.1
L1.1
38
11
12
CCA1
CCA2
(b)
HO
LO
Oxygen
perturbation
H1.5
H1.9
H2.6
H2.4
H1.6
H1.8
H1.7
H1.4
L1.23
H5.4
H4.4
H1.20
H1.21
H1.3
H1.23
L1.3
H2.2
L1.6
L1.2
H1.2
L5.4
L4.4
L1.4
L3.2
L1.5
L3.4
L1.11
L3.5
L1.21
L1.9
L1.20
L1.10
CCA1
CCA2